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CLAIMS:

1.   A method of facilitating access control to content,
            the method involving entities each being identified by a unique identifier,
            the method further involving revocation of at least one unique identifier,
                   where a revoked unique identifier is further referred to as revoked
5   identifier,
                   the method comprising maintaining a local revocation list (165) that contains a
list of revoked identifiers,
                   receiving (302) a new revoked identifier (112), and
                   subsequently conditionally updating (306) the local revocation list with the
10   received new revoked identifier,
     characterized in that the method further comprises
                   an admission step (310) including taking a random decision (304) before
     updating the local revocation list, the decision being
                          either to ignore (307) the received new revoked identifier,
15   or to update (306) the local revocation list with the received new
     revoked identifier.

2.   The method according to claim 1, wherein a verification step (501-507) is
     executed in which
20   a unique identifier is verified by comparing the unique identifier with the
     revoked identifiers in the local revocation list (165), and
                   the unique identifier is considered to be revoked when the comparison finds a
     match between
                          the unique identifier and
25   one of the revoked identifiers in the local revocation list, further to be
     referred to as the matching identifier.

3.   The method according to claim 2, wherein

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the unique identifier being verified is stored in a list of verified unique identifiers, and

the random decision in the admission step (310) has a probability depending on a match of the new received revoked identifier with one of

- the list of verified unique identifiers,
- unique identifiers known to be used within the device, and
- unique identifiers known to be used in neighboring devices.

4.   The method according to claim 1, wherein the random decision in the admission step (310) has a probability depending on at least one of:

- characteristics of the received new revoked identifier,
- characteristics and status of the local revocation list, and
- device status

5.   The method according to claim 1, wherein the method further comprises a selection step (405) in which a revoked identifier from the local revocation list which is going to be replaced is chosen randomly from the local revocation list.

6.   The method according to claim 2 and 5, wherein the matching identifier is excluded from replacement during the selection step (405).

7.   A system (100) for controlling access to content material (110), the system comprising

a local revocation list (165) that contains a list of revoked identifiers,

a receiver (150) for receiving a new revoked identifier (112), and

an updater (160) for conditionally updating the local revocation list with the received new revoked identifier,

characterized in that

the system further comprises an admission device (155) arranged to take (304) a random decision

either to ignore (306) the received new revoked identifier,

or to update (307) the local revocation list with the received new revoked identifier.

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8.   The system according to claim 7, in which the system further comprises
an access device (120) for controlling access to content material (110),
the access device being identified by a unique identifier,
the access of the access device to the content material is not being allowed if a
match is found between
            the unique identifier of the access device, and
            an entry in the local revocation list (165).

9.   A device arranged
            to store and maintain a local revocation list (165) that contains a list of
revoked identifiers, and
            to receive a new revoked identifier (112),
characterized in that the device
            is arranged to take (304) a random decision upon receiving the new revoked
identifier
                either to ignore (306) the received new revoked identifier (112),
                or to update (307) the local revocation list with the received new
revoked identifier.

10.   A computer program product (181) capable to implement the method
according to claim 1.